

B. In the Claims

Please cancel claims 4 to 37 and 41 to 46 without prejudice.

Upon entry of the present amendment, the claims will stand as follows in the present application:

1. (Original) An isolated antimicrobial peptide having an amino acid sequence selected from the group consisting of:

KWKSFIKKLTSAAKKVVTAKPLALIS	(SEQ ID NO:3);
KWKSFIKKLTKAARKVVTAKKPLIV	(SEQ ID NO:4);
KWKKFIKSLTKSAAKTVVKTAKKPLIV	(SEQ ID NO:5);
KWKLFFKIGIGAVLKVLKVLTTGLPALKLTLK	(SEQ ID NO:6);
KLFFKIGIGAVLKVLKVLTTGLPALKLTLK	(SEQ ID NO:7);
KWKFFKIGIGAVLKVLKVLTTGLPALKLTLK	(SEQ ID NO:8);
KLWKLFFKIGIGAVLKVLKVLTTGLPALKLTLK	(SEQ ID NO:9);
KWKSFIKKLTSAAKKVTTAAKPLTK	(SEQ ID NO:10);
KWKKFIKKIGIGAVLKVLTTGLPALKLTKK	(SEQ ID NO:11);
KKWKKFIKKIGIGAVLTPGAKK	(SEQ ID NO:12);
GWGSFFKKAHVGKHVGKAALTHYL-NH ₂	(SEQ ID NO:14);
KGWGSFFKKAHVGKHVGKAALTHYL	(SEQ ID NO:15);
KGWGSFFKKAHVGKHVGKAALTHYL-NH ₂	(SEQ ID NO:16);
ALWKTMLKKAHVGKHVGKAALTHYL-NH ₂	(SEQ ID NO:17);
SIGSAFKKAHVGKHVGKAALTHYL-NH ₂	(SEQ ID NO:18);
GWGSFFKKAHVGKHVGKAALGAAARRRK	(SEQ ID NO:19);
ALWKTMLKKAHVGKHVGKAALGAAARRRK	(SEQ ID NO:20); and
SIGSAFKKAHVGKHVGKAALGAAARRRK	(SEQ ID NO:21);

and analogs, derivatives, amidated variations and conservative variations thereof.

2. (Original) An isolated polynucleotide which encodes a peptide of claim 1.
3. (Original) An isolated polynucleotide which encodes a peptide selected from the group consisting of:

KWKSFIIKKLTSAAKKVTTAKPLALIS	(SEQ ID NO:3);
KWKSFIIKKLTKAARKVTTAKKPLIV	(SEQ ID NO:4);
KWKKFIKSLTKSAAKTVVKTAKKPLIV	(SEQ ID NO:5);
KWKLFFKKIGIGAVLKVLKVLTTGLPALKLTLK	(SEQ ID NO:6);
KLFFKKIGIGAVLKVLKVLTTGLPALKLTLK	(SEQ ID NO:7);
KWKFFKKIGIGAVLKVLKVLTTGLPALKLTLK	(SEQ ID NO:8);
KLWKLFFKKIGIGAVLKVLKVLTTGLPALKLTLK	(SEQ ID NO:9);
KWKSFIIKKLTSAAKKVTTAAKPLTK	(SEQ ID NO:10);
KWKKFIKKIGIGAVLKVLTTGLPALKLTKK	(SEQ ID NO:11);
KKWKKFIKKIGIGAVLTPGAKK	(SEQ ID NO:12);
GWGSFFKKAHVGKHVGKAALTHYL	(SEQ ID NO:14);
KGWGSFFKKAHVGKHVGKAALTHYL	(SEQ ID NO:15);
ALWKTMLKKAHVGKHVGKAALTHYL	(SEQ ID NO:17);
SIGSAFKKAHVGKHVGKAALTHYL	(SEQ ID NO:18);
GWGSFFKKAHVGKHVGKAALGAAARRRK	(SEQ ID NO:19);
ALWKTMLKKAHVGKHVGKAALGAAARRRK	(SEQ ID NO:20); and
SIGSAFKKAHVGKHVGKAALGAAARRRK	(SEQ ID NO:21).

Claims 4-37 (cancelled).

38. (Original) A method of inhibiting the growth of bacteria comprising contacting the bacteria with an inhibiting effective amount of a peptide having an amino acid sequence selected from the group consisting of:

GWGSFFKKA AHVGKHVGKAALTHYL-NH ₂	(SEQ ID NO:14);
KGWGSFFKKA AHVGKHVGKAALTHYL	(SEQ ID NO:15);
KGWGSFFKKA AHVGKHVGKAALTHYL-NH ₂	(SEQ ID NO:16);
ALWKTMLKKA AHVGKHVGKAALTHYL-NH ₂	(SEQ ID NO:17);
SIGSAFKKA AHVGKHVGKAALTHYL-NH ₂	(SEQ ID NO:18);
GWGSFFKKA AHVGKHVGKAALGAAARRRK	(SEQ ID NO:19);
ALWKTMLKKA AHVGKHVGKAALGAAARRRK	(SEQ ID NO:20);
SIGSAFKKA AHVGKHVGKAALGAAARRRK	(SEQ ID NO:21);

and analogs, derivatives, amidated variations and conservative variations thereof.

39. (Original) An isolated polynucleotide which encodes a peptide of claim 38.
40. (Original) An isolated polynucleotide which encodes a peptide selected from the group consisting of:

GWGSFFKKA AHVGKHVGKAALTHYL-NH ₂	(SEQ ID NO:14);
KGWGSFFKKA AHVGKHVGKAALTHYL	(SEQ ID NO:15);
KGWGSFFKKA AHVGKHVGKAALTHYL-NH ₂	(SEQ ID NO:16);
ALWKTMLKKA AHVGKHVGKAALTHYL-NH ₂	(SEQ ID NO:17);
SIGSAFKKA AHVGKHVGKAALTHYL-NH ₂	(SEQ ID NO:18);
GWGSFFKKA AHVGKHVGKAALGAAARRRK	(SEQ ID NO:19);
ALWKTMLKKA AHVGKHVGKAALGAAARRRK	(SEQ ID NO:20);
SIGSAFKKA AHVGKHVGKAALGAAARRRK	(SEQ ID NO:21).

Claims 41-46 (cancelled).